

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

10/01/2011

Erik Bennett Assistant District Attorney, Suffolk County

Dear ADA Bennett,

Enclosed is the information you requested in regards to Commonwealth vs. Included are copies of the following:

- 1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
- 2. Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples #
- 4. Analysis sheets with custodial chemist's hand notations and test results.
- 5. GC/Mass Spectral analytical data for samples #

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Annie Dookhan

Chemist II

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 - 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals, (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree:

Bachelors of Science in Forensic Chemistry,

May 2005 from Buffalo State College

GPA: 3.84, Dean's List, Honor's Recognition American Chemical Society Undergraduate Award

Phi Lambda Upsilon Membership

Related Coursework: Analytical Chemistry

Organic Chemistry I and II

Biochemistry

Chemistry of Criminalistics

Anatomy

Physical Chemistry

Instrumental Chemistry. Forensics Laboratory

Physical Evidence

Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- -Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- -Successfully completed GC/MS training program
- -Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- -Responsible for maintenance and repairs of analytical instruments
- -Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory

- Forensic Internship, January 2005
 - -Conducted research on the presumptive testing of saliva
 - -Conducted research on the identification and detection of lubricants
 - -Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
 - -Daily use of FTIR microscope and DuraSamplerII
 - -Familiarized with GC/MS programs



DRUG RECEIPT				
District/Unit	odin,	/Espino	ID#	03 757/9580
DEFENDANT'S NAME	ADD	DRESS	CITY	. STATE
			Boston	MA
			LAB U	SE ONLY
DESCRIPTION OF ITEMS SUBMITTED		GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
Suboxone / Cella	***************************************	12/2/1/s	4.80 gr	
		·		
	_			
			,	
,				
		200000 halanda karanda		
To be completed by ECU personnel only	0			
Name and Rank of Submitting Officer	X Mili	- Fope	ID#93	?
Received by			Date	/0
2DD Form 0029 BIS 0007 (grov 1759)			ECU Control #	

Date Analyzed:

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def:

Amount:

No. Cont:

1.5

Subst: TAB

Cont: cellophane wrapper

Date Rec'd: 09/01/2010

No. Analyzed:

Gross Wt.:

4.80

Net Weight: 0.69

Tests: 1950

DRUG POWDER ANALYSIS FORM

SAMPLE#	AGENCY ROSM	ANALYST A->2
No. of samples tested:	Evid	ence Wt.
PHYSICAL DESCRIPTION:	Gross	Wt ():
1.5 0ronge	hexagonal -1936+ Gross	Wt ():
	17, po (cellu)	Pkg. Wt:
		Net Wt: 0.6928
[108]	<u>•</u>	
PRELIMINARY TESTS Spot Tests	Microcrys	talline Tests
Cobalt Thiocyanate ()	Gold Chloride	
Marquis	TLTA ()	
Froehde's	OTHER	RTESTS
Mecke's	monnear	c A7-1(P)
PRELIMINARY TEST RESULTS	GC/MS CONFI	RMATORY TEST
RESULTS BUDGETOF PHING	RESULTS Bu	5,600 by 100
DATE 1718-10	MS OPERATOR	1225
	DATE	11-22-10

Drug Information

DRUG NAME: SUBOXONE TABLET

INGREDIENTS: BUPRENORPHINE - 8 MG

NALOXONE -- 2 MG

Color: orange

Shape: Six-sided

Imprint: N8 Sword Logo
Form: Sublingual Tablet

Available-Container-Size: Bottle of 30

AAPCC Code: 200625 -

Buprenorphine

NDC: 12496-1306-02

Regulatory Status: Schedule III

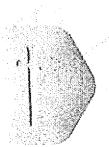
Availability: United States

Product ID 6370996

Contact: Reckitt Benckiser

Pharmaceuticals





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File Name : D:\System8\11_19_10\756477.D

Operator : DJR

Date Acquired : 20 Nov 2010 6:09

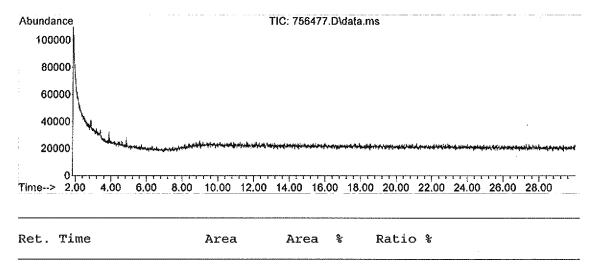
Sample Name : BLANK

Submitted by : Vial Number : 2

AcquisitionMeth: WSCREEN.M

Integrator : RTE

105R



NO INTEGRATED PEAKS

File Name : D:\System8\11_19_10\756478.D

Operator : DJR

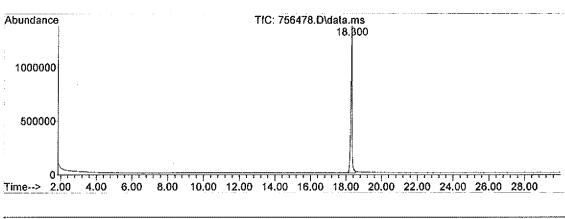
Date Acquired : 20 Nov 2010 6:42 Sample Name : BUPRENORPHINE STD

Submitted by :

Vial Number : 78

AcquisitionMeth: WSCREEN.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %
18.300	6828319	100.00	100.00

File Name : D:\System8\11 19 10\756478.D

Operator

: DJR

: 20 Nov 2010 Date Acquired 6:42 Sample Name : BUPRENORPHINE STD

Submitted by

Search Libraries:

Vial Number 78 ;

AcquisitionMeth: WSCREEN.M

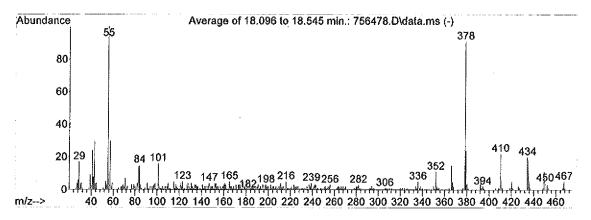
: RTE Integrator

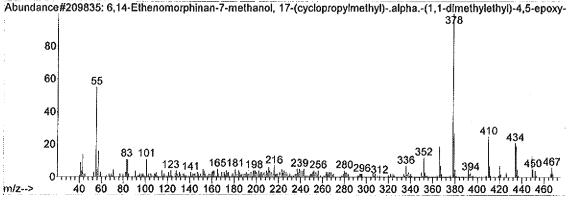
> C:\Database\SLI.L Minimum Quality: 80

> > Minimum Quality: 80

C:\Database\NIST08.L

PK#	RT	Library/ID		CAS#	Qual
1	18.30	C:\Database\NIST08.L			
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	96





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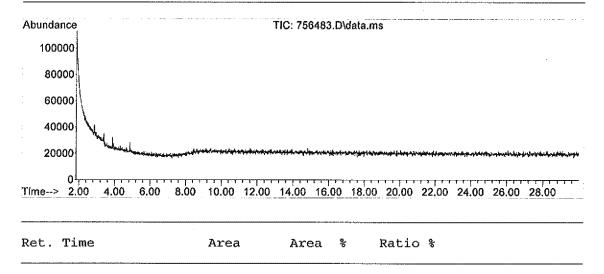
Operator : DJR

Date Acquired : 20 Nov 2010 9:27

Sample Name : BLANK Submitted by : ASD Vial Number : 2

AcquisitionMeth: WSCREEN.M

Integrator : RTE



NO INTEGRATED PEAKS

File Name : D:\System8\11_19_10\756484.D

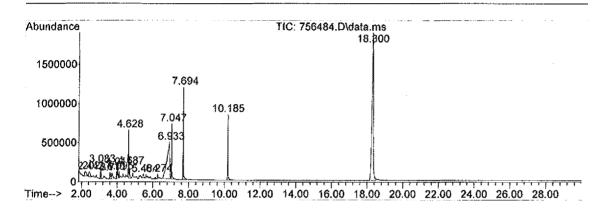
Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD

Vial Number : 84 AcquisitionMeth: WSCREEN.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.202	413631	1.83	4.04	
2.442	384897	1.70	3.76	
3.083	310081	1.37	3.03	
3.610	265499	1.17	2.59	
3.711	308576	1.36	3.01	
4.011	306875	1.36	2.99	
4.095	162754	0.72	1.59	
4.628	839425	3.71	8.19	
4.687	319587	1.41	3.12	
5.484	195740	0.86	1,91	
6.274	104081	0.46	1.02	
6.933	5143850	22.72	50,19	
7.047	824690	3.64	8.05	
7.694	1351671	5.97	13.19	
10.185	1461836	6.46	14.26	
18.300	10249264	45.27	100.00	

File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name

Submitted by : ASD Vial Number 84

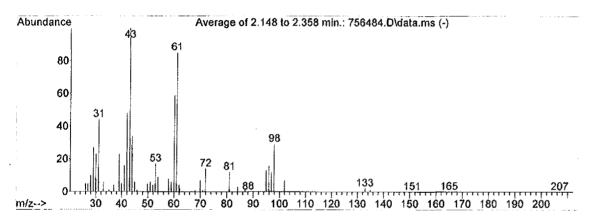
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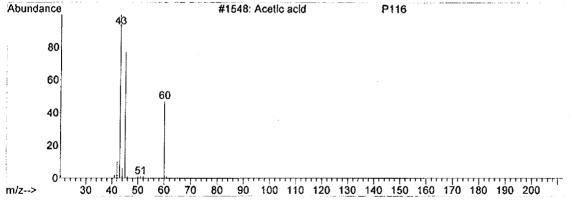
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 C:\Database\NIST08.L Minimum Quality: 80

PK#	RT	Library/ID	CAS#	Qual
1	2.20	C:\Database\PMW_TOX2.L		
		Acetic acid	000064-19-7	5
		Metobromuron	003060-89-7	2
		Acetone	000067-64-1	2





File Name : D:\System8\11 19 10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD

Vial Number : 84

AcquisitionMeth: WSCREEN.M

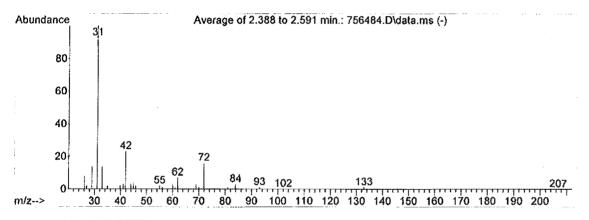
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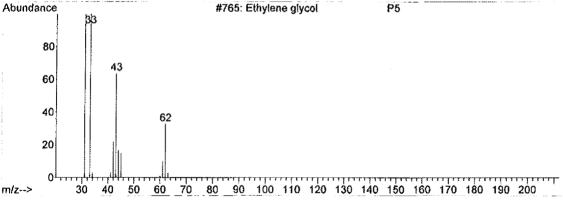
Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80

C:\Database\NIST08.L
C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual 2.44 C:\Database\PMW TOX2.L 2. Ethylene glycol 000107-21-1 9 Ethanol 000064-17-5 1 Methanol 000067-56-1 1





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

: 20 Nov 2010 Date Acquired 10:00

Sample Name Submitted by ASD

Vial Number 84

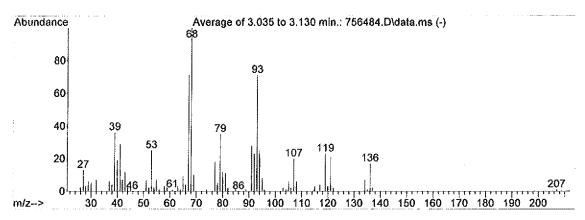
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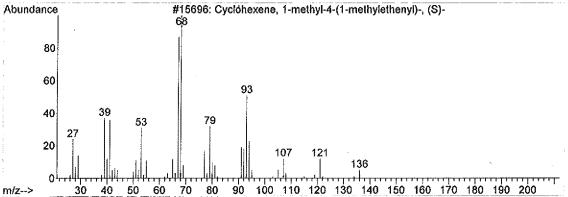
: RTE Integrator

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

ÞK#	RT	Library/ID		CAS#	Qual
3	3.08	C:\Database\NISTO Cyclohexene, 1-m D-Limonene D-Limonene	08.L methyl-4-(1-methylet	005989-54-8 005989-27-5 005989-27-5	98 95 93





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD

Vial Number : 84

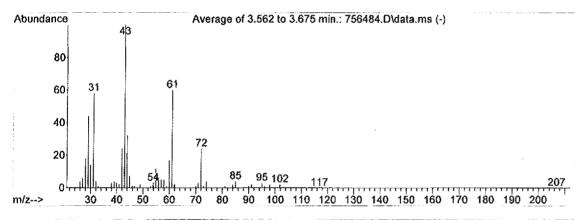
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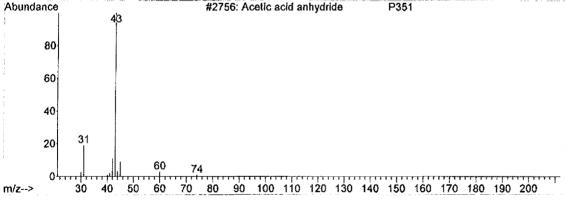
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

PK#	RT	Library/ID		CAS#	Qual
4	3.61	C:\Database\PMW_TOX2.L Acetic acid anhydride Nonane Ethylacetate	@	000108-24-7 000111-84-2 000141-78-6	4 2 2





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

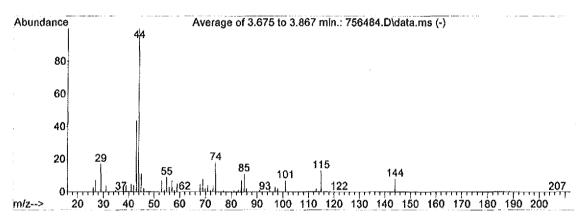
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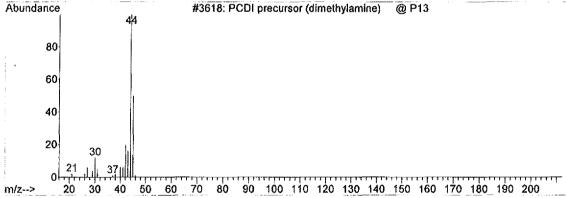
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

_	PK#	RT	Library/ID	CAS#	Qual
	5	3.71	C:\Database\PMW_TOX2.L PCDI precursor (dimethylamine)	000124-40-3	4
			Air with Helium and Water	000000-00-0	1





Minimum Quality: 80

File Name : D:\System8\11 19 10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

: ACD

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator

: RTE

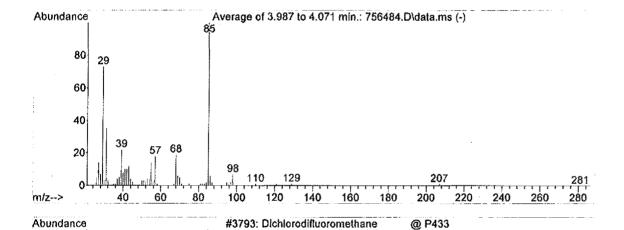
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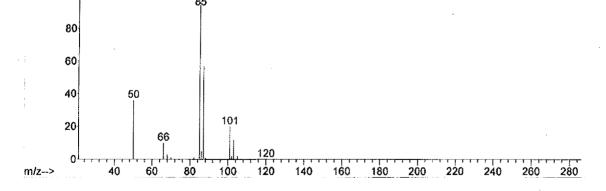
Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

PK#	RT	Library/ID		CAS#	Qual
6	4.01	C:\Database\PMW_TOX2.L Dichlorodifluoromethane	ര	000075-71-8	2
		Mefruside ME	•	000000-00-0	1
		Mefruside 2ME		000000-00-0	1





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

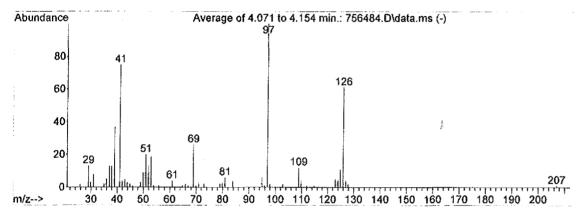
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

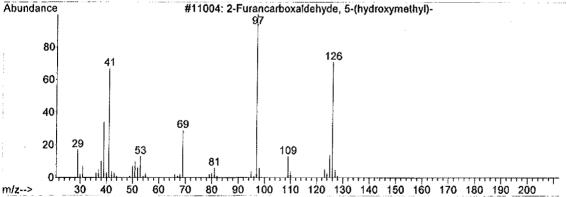
C:\Database\NIST08.L

C:\Database\PMW_TOX2.L

Thiophene, 2-propyl-

PK#	RT	Library/ID	CAS#	Qual
7	4.09	C:\Database\NIST08.L 2-Furancarboxaldehyde, 2-Furancarboxaldehyde.		94





Minimum Quality: 80

001551-27-5

47

File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

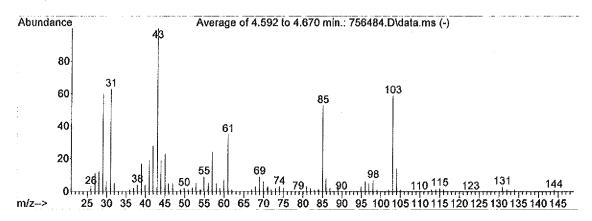
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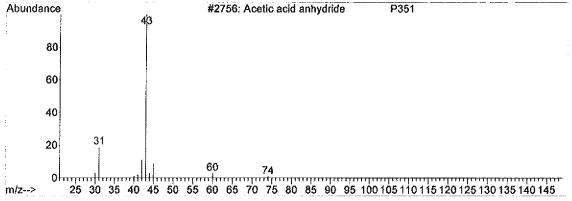
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

P	K# F	RT.	Library/ID	CAS#	Qual
	3 4		:\Database\PMW_TOX2.L Acetic acid anhydride	000108-24-7	12
			Octane -	000111-65-9	7
			Nifenalol artifact	000000-00-0	2





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

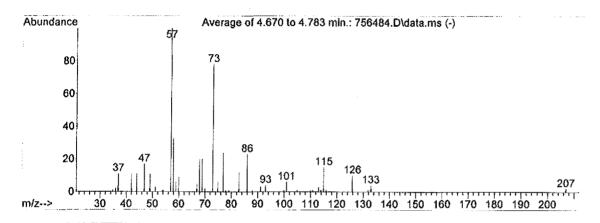
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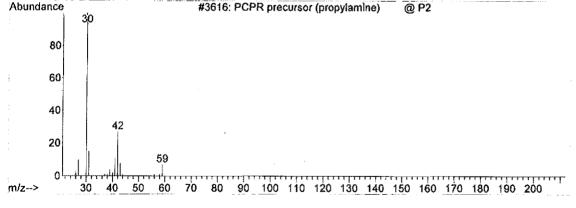
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

_	PK#	RT	Library/ID	CAS#	Qual
	9	4.69	C:\Database\PMW TOX2.L		
			PCPR precursor (propylamine)	000107-10-8	1
			1-Butylamine	000109-73-9	1
			Eticyclidine prec. (ethylamine)	000075-04-7	1





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

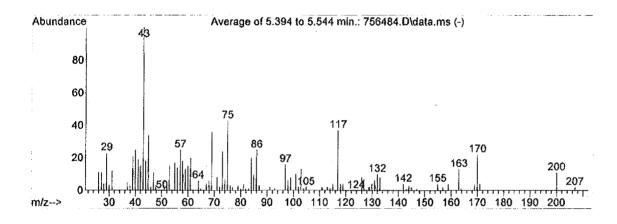
C:\Database\PMW_TOX2.L

PK# RT Library/ID

CAS#

Qual

No Hits Found



File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name Submitted by ASD

Vial Number 84

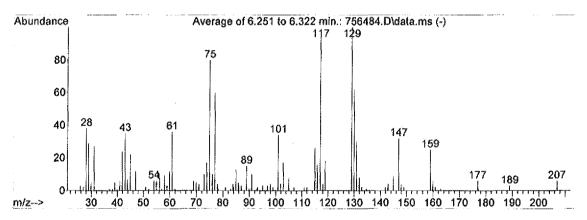
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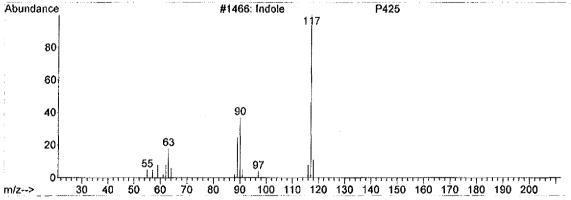
: RTE Integrator

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

PK#	RT	Library/ID	CAS#	Qual
11	6.27	C:\Database\PMW_TOX2.L Indole	000120-72-9	5
		Tryptophan-M ME	018372-16-2	2
		Carbidopa 2MEAC	000000-00-0	2





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Information from Data File:
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Operator : DJR

Date Acquired : 20 Nov 2010 10:00

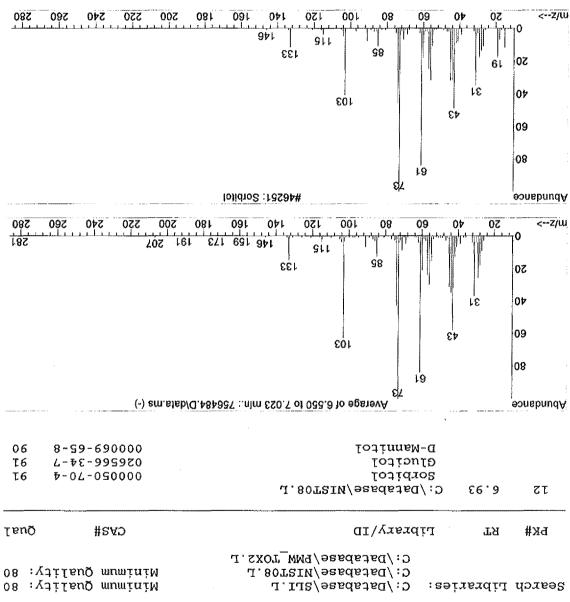
Sample Name :
Sample Name :
Submitted by : ASD

Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Integrator : RTE
```



File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

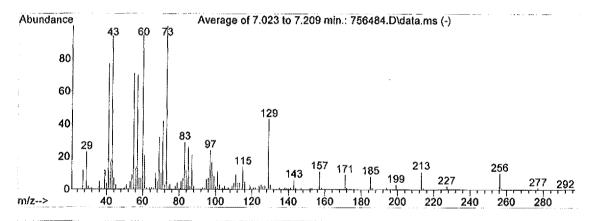
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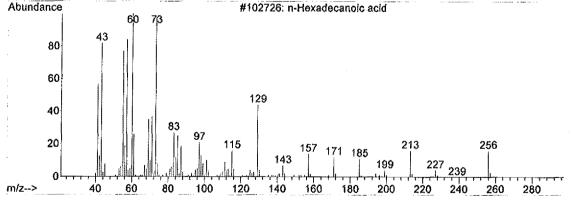
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80

PK:	# RT	Library/ID	CAS#	Qual
13	7.05	C:\Database\NIST08.L n-Hexadecanoic acid n-Hexadecanoic acid Octadecanoic acid	000057-10-3 000057-10-3 000057-11-4	99 96 90





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

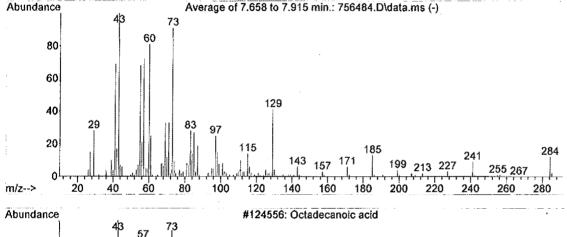
AcquisitionMeth: WSCREEN.M

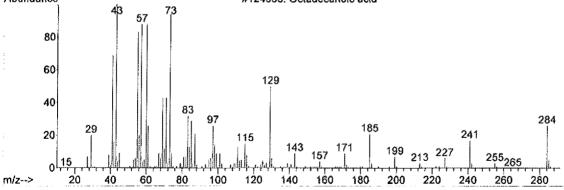
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

PK#	RT	Library/ID	CAS#	Qual
14	7.69	C:\Database\NIST08.L Octadecanoic acid	000057-11-4	99
		Octadecanoic acid Octadecanoic acid	000057-11-4 000057-11-4	99 96





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

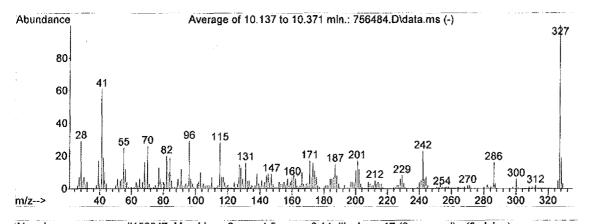
AcquisitionMeth: WSCREEN.M

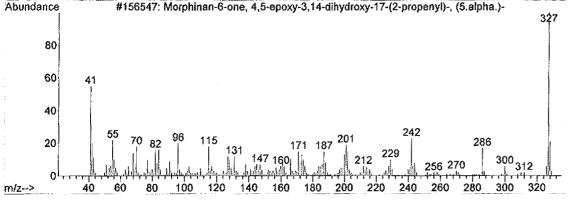
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

PK#	RT	Library/ID		CAS#	Qual
 15	10.19	C:\Database\NISTO	8.L		
		Morphinan-6-one,	4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one,	4,5-epoxy-3,14-dih	000465-65-6	98
		Morphinan-6-one.	4.5-epoxy-3.14-dih	000465-65-6	95





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : | Submitted by :

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

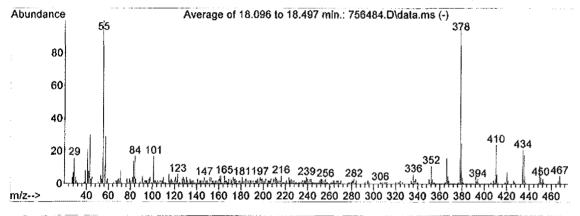
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

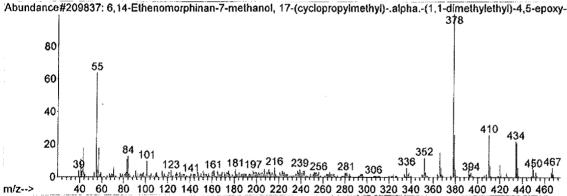
C:\Database\NIST08.L

C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

16 18.30 C:\Database\NIST08.L
6,14-Ethenomorphinan-7-methanol, 17 052485-79-7 99
6,14-Ethenomorphinan-7-methanol, 17 052485-79-7 99
6,14-Ethenomorphinan-7-methanol, 17 052485-79-7 97





Minimum Quality: 80

File Name : D:\System8\11_19_10\756495.D

Operator : DJR

Date Acquired : 20 Nov 2010 16:04

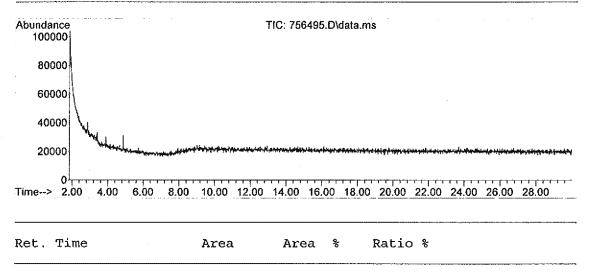
Sample Name : BLANK

Submitted by

Vial Number : 2

AcquisitionMeth: WSCREEN.M

Integrator : RTE



NO INTEGRATED PEAKS

File Name : D:\System8\11_19_10\756496.D

Operator : DJR

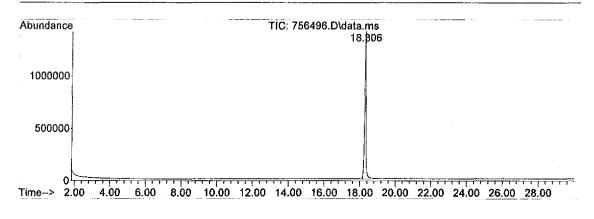
Date Acquired : 20 Nov 2010 16:37 Sample Name : BUPRENORPHINE STD

Submitted by :

Vial Number : 78

AcquisitionMeth: WSCREEN.M

Integrator : RTE



	o %
18.306 7456645 100.00 100.	00

: D:\System8\11_19_10\756496.D File Name

Operator : DJR

Date Acquired 20 Nov 2010 16:37 Sample Name : BUPRENORPHINE STD

Submitted by

Vial Number 78

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

PK#	RT	Library/ID		CAS#	Qual
1	18.31	C:\Database\NIST08.L			
		6,14-Ethenomorphinan-7-methanol,			99
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17	052485-79-7	96

